

WSSS

Singapore Changi Intl. Airport

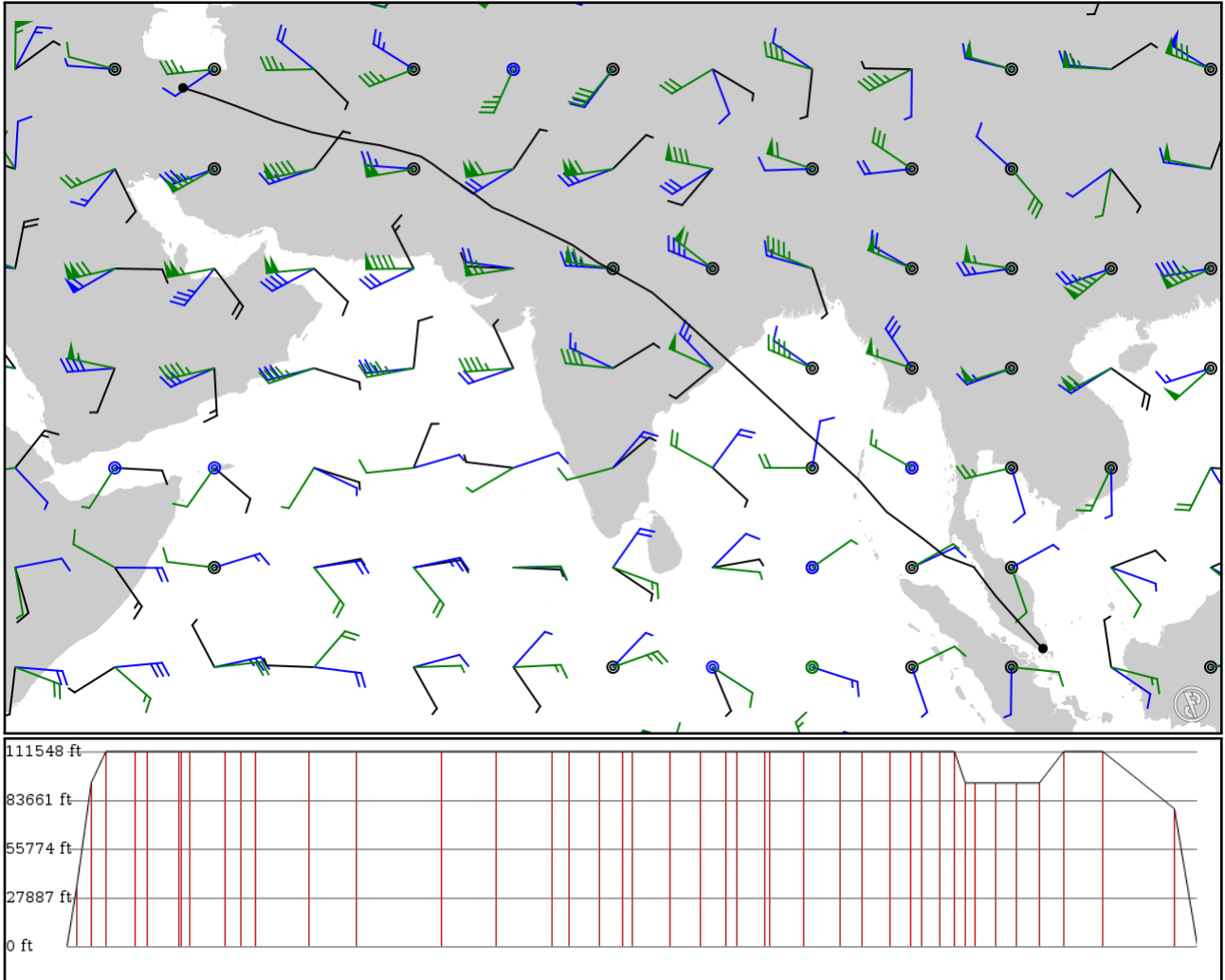
OIII

Teheran Mehrabad Intl

2024/05/10 0816Z

WSSS VJR **R325** VIH **W531** VPL **P628** RK **G792** PAROD **G202** BJD **R794** DHN OIII

3614.39 nm / 6693.85 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 32000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
WSSS APT	-	1.35192 103.99560	0 ft 0 m	-	Singapore Changi Intl. Airport
VJR VOR	-	1.72986 103.62164	10,400 ft 3,170 m	31	JOHOR BAHRU VOR-DME
DAMAL FIX	R325 AWY-LO	2.33194 103.08667	28,600 ft 8,717 m	48	-
LATUK FIX	R325 AWY-HI	2.92111 102.56278	34,000 ft 10,363 m	47	-
ANSOM FIX	R325 AWY-HI	4.07333 101.53861	34,000 ft 10,363 m	92	-
VIH VOR	R325 AWY-HI	4.57303 101.09361	34,000 ft 10,363 m	40	IPOH VOR-DME
VILAT FIX	W531 AWY-HI	5.89111 100.09917	34,000 ft 10,363 m	99	-
ANDOK FIX	W531 AWY-HI	6.02222 100.00000	34,000 ft 10,363 m	9	-
VPL VOR	W531 AWY-HI	6.35542 99.74739	34,000 ft 10,363 m	25	LANGKAWI VOR-DME
GIVAL FIX	P628 AWY-HI	7.00000 98.00000	34,000 ft 10,363 m	111	-
UXARA FIX	P628 AWY-HI	7.53889 97.33639	34,000 ft 10,363 m	51	-
OLSEL FIX	P628 AWY-HI	8.03194 96.71000	34,000 ft 10,363 m	47	-
IGREX FIX	P628 AWY-HI	9.72444 94.41667	34,000 ft 10,363 m	169	-
PPB VOR	P628 AWY-HI	11.64967 92.74722	34,000 ft 10,363 m	151	PORT BLAIR VOR-DME
VATLA FIX	P628 AWY-HI	14.73469 89.31400	34,000 ft 10,363 m	273	-
URKOK FIX	P628 AWY-HI	16.73667 87.15167	34,000 ft 10,363 m	173	-
LARIK FIX	P628 AWY-HI	18.83433 84.87283	34,000 ft 10,363 m	181	-
DORIL FIX	P628 AWY-HI	19.42594 84.21458	34,000 ft 10,363 m	51	-
OPASA FIX	P628 AWY-HI	20.58417 82.95639	34,000 ft 10,363 m	99	-
IKINA FIX	P628 AWY-HI	21.45075 81.99817	34,000 ft 10,363 m	74	-
OPONI FIX	P628 AWY-HI	21.78406 81.63989	34,000 ft 10,363 m	28	-
ASOPO FIX	P628 AWY-HI	23.15253 80.06064	34,000 ft 10,363 m	120	-
BOBET FIX	P628 AWY-HI	24.00881 78.54442	34,000 ft 10,363 m	98	-
PUKES FIX	P628 AWY-HI	24.70062 77.27005	34,000 ft 10,363 m	81	-
IBANI FIX	P628 AWY-HI	25.00038 76.71966	34,000 ft 10,363 m	34	-
NIKOT FIX	P628 AWY-HI	25.90523 75.41161	34,000 ft 10,363 m	89	-
BIDAN	P628	26.07472	34,000 ft	16	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	75.16431	10,363 m		
LATOS	P628	26.95850	34,000 ft	110	-
FIX	AWY-HI	73.36594	10,363 m		
VIKIT	P628	27.87099	34,000 ft	117	-
FIX	AWY-HI	71.42410	10,363 m		
RK	P628	28.36565	34,000 ft	67	RAHIM YAR KHAN VOR-DME
VOR	AWY-HI	70.27315	10,363 m		
AMJID	G792	29.31667	34,000 ft	88	-
FIX	AWY-HI	69.00000	10,363 m		
AMBER	G792	30.00000	34,000 ft	66	-
FIX	AWY-HI	68.00000	10,363 m		
ABDUL	G792	30.40000	34,000 ft	37	-
FIX	AWY-HI	67.45000	10,363 m		
ASLUM	G792	31.01667	34,000 ft	56	-
FIX	AWY-HI	66.61667	10,363 m		
PAROD	G792	31.48333	34,000 ft	46	-
FIX	AWY-HI	65.90000	10,363 m		
BOTUV	G202	31.67018	28,500 ft	35	-
FIX	AWY-LO	65.24950	8,687 m		
DOLAN	G202	31.84167	28,500 ft	32	-
FIX	AWY-LO	64.65000	8,687 m		
DILAM	G202	32.17500	28,500 ft	66	-
FIX	AWY-LO	63.40000	8,687 m		
FARAH	G202	32.36667	28,500 ft	64	-
FIX	AWY-LO	62.15833	8,687 m		
KAMAR	G202	32.65000	28,500 ft	74	-
FIX	AWY-LO	60.73333	8,687 m		
BJD	G202	32.97242	34,000 ft	79	BIRJAND VOR-DME
VOR	AWY-HI	59.20014	10,363 m		
TBS	R794	33.66400	34,000 ft	122	TABAS NDB-DME
NDB	AWY-HI	56.89964	10,363 m		
DHN	R794	35.25397	24,000 ft	227	DEHNAMAK VOR-DME
VOR	AWY-HI	52.72028	7,315 m		
OIII	-	35.69263	0 ft	73	Teheran Mehrabad Intl
APT	-	51.31741	0 m		

WSSS

Region: SINGAPORE

Timezone: ASIA/SINGAPORE

Runways: 2

Elevation: 20 ft / 6 m

Location: 1.355510 103.988000

Magnetic Var: 0.198 E

METAR

WSSS 100800Z 19004KT 160V230 9999 FEW017TCU FEW020CB SCT280 31/26 Q1007 NOSIG

TAF

TAF AMD WSSS 100800Z 1008/1112 17008KT 9999 FEW015 SCT020

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR	DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR	DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR	DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR	DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR	DEP - 255.40 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR	APP - 120.30 MHz - SINGAPORE APPROACH
APP - 124.60 MHz - SINGAPORE APPROACH	APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.60 MHz - SINGAPORE TOWER	TWR - 118.25 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND	GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND	GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
GND - 122.55 MHz - SINGAPORE GROUND	CLD - 121.65 MHz - SINGAPORE DELIVERY
CLD - 119.60 MHz - SINGAPORE DELIVERY	REC - 128.60 MHz -
REC - 128.02 MHz -	CHANGI AIRPORT INFORMATION (D-ATIS)
CHANGI AIRPORT ARRIVAL INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02L	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20R	197 ft	13,187 ft	202.88	ASPHALT	2,428 ft	390 ft
	60 m	4,020 m	202.68		740 m	119 m
02C	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20C	197 ft	13,187 ft	202.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	202.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02C	DME	ICE	108.30 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
02L	DME	ICW	110.90 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
20C	DME	ICC	109.70 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
20R	DME	ICH	108.90 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
02C	LOC-ILS	ICE	108.30 MHz	18 nm	22.88	-	20 ft
				33 km	22.68		20 m
02L	LOC-ILS	ICW	110.90 MHz	18 nm	22.88	-	20 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	22.68		20 m
20C	LOC-ILS	ICC	109.70 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
20R	LOC-ILS	ICH	108.90 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
02C	GS	ICE	108.30 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
02L	GS	ICW	110.90 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
20C	GS	ICC	109.70 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m
20R	GS	ICH	108.90 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m

OIII

Region: IRAN
Timezone: ASIA/TEHRAN
Runways: 3

Elevation: 3,963 ft / 1,208 m
Location: 35.692600 51.317500
Magnetic Var: 5.106 E

METAR

OIII 100800Z 18008KT 9999 FEW040 20/02 Q1020 A3012 NOSIG

TAF

TAF OIII 100550Z 1006/1112 18006KT 8000 NSC PROB40 TEMPO 1006/1009 18016KT BECMG 1009/1010 24008KT TEMPO 1010/1011 18016KT

Frequencies

REC - 128.00 MHz - ATIS	TWR - 118.10 MHz - MEHRABAD TOWER
TWR - 124.45 MHz - MEHRABAD TOWER	GND - 121.70 MHz - MEHRABAD GROUND
GND - 121.90 MHz - MEHRABAD GROUND	CLD - 121.85 MHz - MEHRABAD CLEARANCE DELIVERY
APP - 119.70 MHz - MEHRABAD APPROACH	APP - 125.10 MHz - MEHRABAD APPROACH
APP - 119.70 MHz - MEHRABAD RADAR	APP - 125.10 MHz - MEHRABAD RADAR
DEP - 125.10 MHz - MEHRABAD RADAR	DEP - 119.70 MHz - MEHRABAD RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	131 ft	1,589 ft	88.24	CONCRETE	16 ft	75 ft
	40 m	484 m	83.13		5 m	23 m
27	131 ft	1,589 ft	268.24	CONCRETE	16 ft	194 ft
	40 m	484 m	263.13		5 m	59 m
11L	148 ft	13,087 ft	109.70	CONCRETE	0 ft	0 ft
	45 m	3,989 m	104.60		0 m	0 m
29R	148 ft	13,087 ft	289.73	CONCRETE	0 ft	0 ft
	45 m	3,989 m	284.62		0 m	0 m
11R	197 ft	13,379 ft	109.74	ASPHALT	0 ft	1,191 ft
	60 m	4,078 m	104.63		0 m	363 m
29L	197 ft	13,379 ft	289.76	ASPHALT	144 ft	141 ft
	60 m	4,078 m	284.66		44 m	43 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
29L	DME	ITHL	109.90 MHz	18 nm	-	-	3,804 ft
				33 km	-		3,804 m
29L	LOC-ILS	ITHL	109.90 MHz	18 nm	289.75	-	3,963 ft
				33 km	284.64		3,963 m
29L	GS	ITHL	109.90 MHz	10 nm	289.75	3.30	3,963 ft
				19 km	284.64		3,963 m